

**Awards, Grants, Appointments, International Collaborations, Mentorships, and Service to the Agency**  
**Antarctic Ecosystem Research Division**  
**Southwest Fisheries Science Center, NOAA Fisheries**  
**2009 - 2016**

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**Awards**

- NOAA Fisheries Supervisor of the Year Award 2011 (J. Rusin)
- NOAA Fisheries Employee of the Year Award 2010 (A. Cossio)

**Grants**

- CCAMLR Ecosystem Monitoring Program Fund, "Tracking the overwinter habitat use of krill-dependent predators from Subarea 48.1," \$350,000, 2015-2016 (G. Watters, J. Hinke)
- Antarctic Wildlife Research Fund, "Development of a direct ageing methodology for Antarctic krill (*Euphausia superba*)," \$48,500, 2015-2016 (C. Reiss)
- Internal Cooperative Research Proposal, "Extending the assessment of seasonal abundance and survivorship of the market squid off California from paralarval to juvenile life stages, into the 2015-16 fishing season," \$157,745, 2015 (E. Dorval, J. Van Noord, C. Reiss, J. McDaniel)
- CCAMLR Ecosystem Monitoring Program Fund, "Establishing a CEMP Camera Network in Subarea 48.1," \$49,000, 2014-2015 (G. Watters, J. Hinke)
- Internal Cooperative Research Proposal, "Seasonal abundance and survivorship of the market squid off California from paralarval to juvenile life stages," \$41,855, 2014 (E. Dorval, J. Van Noord, C. Reiss)
- National Geographic, "Nowhere common: the elusive foraging ecology of adult female leopard seals (*Hydrurga leptonyx*) revealed using CRITTERCAM," \$14,450, 2012 (D. Krause, M. Goebel)
- National Marine Sanctuary Foundation, "Winter dispersal of penguins and pinnipeds from breeding colonies in the South Shetland Islands, with implications for contaminant loading in body tissues," \$315,000, 2011-2013 (G. Watters)
- National Marine Sanctuary Foundation, "Identifying vulnerable marine ecosystems in the Antarctic Peninsula region," \$35,000, 2011-2013 (G. Watters)

**Appointments**

- Chief Scientist, U.S. Antarctic Marine Living Resources Program, NMFS, NOAA, 2009 – present (G. Watters)
- U.S. Representative, Scientific Committee for the Conservation of Antarctic Marine Living Resources (SC-CAMLR), 2009 – present (G. Watters)

- U.S. Representative, Standing Scientific Group on Life Sciences (SSG-LS), Scientific Committee on Antarctic Research (SCAR), 2015 – present (G. Watters)
- Chair, Scientific Committee of the Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR), 2011-2015 (C. Jones)
- NOAA Working Diver, 2004 – present (A. Cossio)
- AERD Small Boat Coordinator, 2007 – present (A. Cossio)
- U.S. Representative, CCAMLR Working Group on Fish Stock Assessment (WG-FSA), 2010 – present (D. Kinzey)
- U.S. Representative, CCAMLR Working Group on Statistics, Assessment, and Modelling (WG-SAM), 2014 – present (D. Kinzey)
- Chair, CCAMLR Subgroup on CCAMLR Ecosystem Monitoring Program (CEMP) Methods, Working Group on Ecosystem Monitoring and Management, 2013 – present (J. Hinke)
- Small Boat Co-Coordinator for Southwest Fisheries Science Center, 2009-2011 (A. Cossio)
- Member of Southwest Fisheries Science Center Workforce Collaboration Team, 2016 – present (A. Cossio)
- AERD Representative at NOAA Vessel Operations Coordinators' Summit 2015 (A. Cossio)
- Representative for U.S. at CCAMLR Subgroup of Acoustic Survey and Analysis Methods (SG-ASAM) 2015 (A. Cossio)
- U.S. Delegation, Antarctic Treaty Consultative Meeting, 2012 – present (C. Jones)
- U.S. Delegation, Antarctic Treaty Committee for Environmental Protection (CEP) 2009 – present (C. Jones)
- U.S. Delegation, CCAMLR Working Group on Ecosystem Monitoring and Management, 2002 – present (C. Jones)
- U.S. Delegation, CCAMLR Scientific Committee and Commission, 1999 – present (C. Jones)
- Editorial Board of scientific journal CCAMLR Science 2005-2015 (C. Jones)
- Convener, Working Group on Ecosystem Monitoring and Management (WG-EMM), SC-CAMLR, 2008-2012 (G. Watters)
- Co-chair, Joint SC-CAMLR-Committee on Environmental Protection Workshop, 2009 (G. Watters)
- Representative for U.S. at CCAMLR Subgroup of Acoustic Survey and Analysis Methods (SG-ASAM) 2012 (A. Cossio)
- Co-Chair, CCAMLR Working Group on Statistics, Assessments, and Modelling, 2011 (C. Jones)
- Vice-Chair, Scientific Committee of the Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR), 2009-2011 (C. Jones)
- Chair, CCAMLR Working Group on Fish Stock Assessment (WG-FSA) for CCAMLR, 2007-2011 (C. Jones)
- Representative for U.S. at CCAMLR Subgroup of Acoustic Survey and Analysis Methods (SG-ASAM) 2010 (A. Cossio)
- Representative for U.S. at CCAMLR Subgroup of Acoustic Survey and Analysis Methods (SG-ASAM) 2009 (A. Cossio)
- Scientific Committee on Antarctic Research (SCAR) U.S. Representative to the SCAR Life Sciences Standing Scientific Group (LSSSG) 2004-2010 (M. Goebel)

- Chair, WG-EMM Sub-group on Methods, 2008-2010 (M. Goebel)

### **International Collaborations and Domestic Partnerships**

- Peru: U.S. AMLR scientists participate on Peruvian krill surveys providing training and technology transfer with the aim of using resulting data in krill assessments that inform management of the krill fishery (2013 – A. Cossio, 2014 – C. Reiss)
- United Kingdom: This is a longtime partnership in which we collect similar krill and ecosystem assessment data, coordinate on data analysis and collaborate on ecosystem modeling efforts (C. Reiss – participation in 2016 oceanographic survey)
- New Zealand research cruise: toothfish tagging to improve stock assessment , 2016 (C. Jones)
- Argentina, Australia, Poland, Spain, Ukraine: In 2016, U.S. AMLR and these partners established a network of remote cameras throughout the Antarctic Peninsula region that will be used to monitor penguin populations with the aim of incorporating resulting data into krill fishery management (G. Watters, J. Hinke)
- Argentina, Poland, Spain, Ukraine: In 2016/2017, U.S. AMLR and these partners plan to simultaneously deploy tracking devices on penguins throughout the Antarctic Peninsula region to follow winter movements (G. Watters, J. Hinke)
- Development of a direct ageing methodology for Antarctic krill (*Euphausia superba*): Canada, Australia, 2015-2016 (C. Reiss)
- Chile: This is a strong partnership that involves training of Chilean graduate students in monitoring and research at our Cape Shirreff field camp. In addition, U.S. AMLR is dependent on Chilean infrastructure (Chilean Antarctic Institute (INACH) and Chilean Air Force (FACH)) to assist with transportation and logistics for both of our field camps in the South Shetland Islands
- U.S. State Department: U.S. AMLR is a key player in providing scientific products to further US policy objectives in the Antarctic. In addition, State Department's diplomatic efforts aid US AMLR, as needed, to build international support for research and other scientific issues of interest to the program
- U.S. National Science Foundation: We coordinate very closely with NSF to execute krill and ecosystem assessment surveys (AMLR currently charts ship time through NSF for its winter survey) and field camp research and monitoring (e.g., NSF provides transportation and logistics support). In addition, we work closely on implementation of the Antarctic Treaty and continually evaluate ways to work jointly in additional areas that would benefit each program

### **Mentorships**

- The Pew Charitable Trusts, E. Klein, Post-doctoral researcher, 2016 – present (G. Watters)
- University of California Santa Cruz, R. Driscoll, PhD student, 2014 – present (G. Watters)
- George Mason University, A. Dahood-Fritz, PhD student, 2013 – present (G. Watters)
- University of California San Diego, D. Krause, PhD student, 2013 – present (G. Watters, M. Goebel)
- University of California San Diego, D. Dannecker, Master's student, 2013 – present (M. Goebel)

- Pontificia Universidad Católica de Chile, R. Borrás Chavez, PhD student, 2014 – present (M. Goebel)
- University of California Santa Cruz, K. Richerson, PhD student, 2012-2015 (G. Watters)
- University of California Santa Cruz, O. Shelton, Post-doctoral researcher, 2012 (G. Watters, C. Reiss, D. Kinzey)
- San Diego State University, R. Driscoll, Master's student, 2010-2014 (C. Reiss)
- Scripps Institution of Oceanography, University of California San Diego, C. Bonin, 2007-2012 (M. Goebel)
- University of California San Diego, K. Mullen-ley, Master's student, 2012-2013 (J. Rusin)

#### **Service to the Agency**

- Invited Panelist, Our Ocean 2015 Conference, Valparaiso, Chile, 2015 (G. Watters)
- Invited Panelist, JARPAII Special Permit Review Workshop, Tokyo, Japan, 2014 (G. Watters)
- Invited Expert, Scientific Committee, International Whaling Commission, 2014 (G. Watters)
- Invited Panelist, Annual Meeting, American Association for the Advancement of Science, Washington, D.C., USA, 2011 (G. Watters)
- Discussion Leader; Biotic Responses to Change session, 1st Antarctic & Southern Ocean Science Horizon Scan, 2014 (C. Jones)
- Member, Editorial Board, CCAMLR Science, 2009-2012 (G. Watters)
- Member, Committee for Environmental Compliance in Fisheries and Ecosystem Research, NOAA Fisheries, 2009 – present (J. Rusin)